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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/602,256	06/23/2003	William B. Kerfoot	10578-009002 1911		
26161	7590 01/11/	5	EXAMINER		
FISH & RICHARDSON PC 225 FRANKLIN ST			HOEY, BETSEY MORRISON		
BOSTON, MA 02110		•	ART UNIT	PAPER NUMBER	
			1724		
		,	DATE MAILED: 01/11/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Applicatio	n No.	Applicant(s)					
10/602,256	5	KERFOOT, WILLI	AM B.				
Office Action Summary Examiner		Art Unit					
Betsey M H		1724					
The MAILING DATE of this communication appears on the Period for Reply	cover sheet with the co	rrespondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no ever after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statut If NO period for reply is specified above, the maximum statutory period will apply and will Failure to reply within the set or extended period for reply will, by statute, cause the applic Any reply received by the Office later than three months after the mailing date of this come earned patent term adjustment. See 37 CFR 1.704(b).	t, however, may a reply be time ory minimum of thirty (30) days expire SIX (6) MONTHS from the ation to become ABANDONED	ly filed will be considered timely te mailing date of this co	r. mmunication.				
Status							
1) Responsive to communication(s) filed on 23 June 2003.							
2a) ☐ This action is FINAL . 2b) ☑ This action is no	This action is FINAL . 2b)⊠ This action is non-final.						
3)☐ Since this application is in condition for allowance except for	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>11-37</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from con-	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>11-17,19-22 and 31-33</u> is/are allowed.							
	·						
7)⊠ Claim(s) <u>18,23-30 and 34-37</u> is/are objected to.							
8) Claim(s) are subject to restriction and/or election red	quirement.						
Application Papers			•				
9)☐ The specification is objected to by the Examiner.							
10) \boxtimes The drawing(s) filed on <u>23 June 2003</u> is/are: a) \boxtimes accepted or b) \square objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be							
Replacement drawing sheet(s) including the correction is required							
11) ☐ The oath or declaration is objected to by the Examiner. Not	e the attached Office A	action or form PT	O-152.				
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some * c) ☐ None of:		d) or (f).					
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule * See the attached detailed Office action for a list of the certific	` '/'						
dee the attached detailed Office action for a list of the certific	ed copies not received	•					
Attachment(s)			•				
1) Notice of References Cited (PTO-892)) Interview Summary (P						
	Paper No(s)/Mail Date) Notice of Informal Pate) Other:		152)				

Application/Control Number: 10/602,256

Art Unit: 1724

1. From MPEP §2114:

APPARATUS CLAIMS MUST BE STRUCTU-RALLY DISTINGUISHABLE FROM THE PRIOR ART

While features of an apparatus may be recited either structurally or functionally, claims directed to an apparatus must be distinguished from the prior art in terms of structure rather than function...."[A]pparatus claims cover what a device is, not what a device does."

Therefore, claims 18, 23-30 and 34-37 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claims 18, 23-30 and 34-37 fail to further limit the *structure* of the apparatus of claim 11 or claim 15.

- 2. Claim 13 is objected to because it is written as a method claim, although it is dependent on an apparatus claim. It is suggested that the claim be rewritten to recite the apparatus of claim 1 wherein the microporous diffuser comprises a central inner chamber and an outer chamber. Appropriate correction is required.
- 3. Claims 11-17, 19-22 and 31-33 are allowed.
- 4. The following is a statement of reasons for the indication of allowable subject matter:
- 5. Claims 11-14 and 20-22 are allowed (with amendment to claim 13; see above) because the prior art of record fails to teach, disclose, or fairly suggest an apparatus for treating subsurface water comprising a source of select liquid hydroperoxides and a feed mechanism to deliever selected liquid hydroperoxides to a microporous diffuser, in combination with the other limitations of instant claim 11.

Page 2

Application/Control Number: 10/602,256

Art Unit: 1724

Page 3

Claims 15-17, 19 and 31-33 are allowed be) because the prior art of record fails to teach, disclose, or fairly suggest an apparatus for treating subsurface water comprising a microporous diffuser, an air compressor that feeds a mixture of air/ozone into the diffuser, and a feed mechanism to supply a liquid decontamination agent containing hydroperoxide to the diffuser, in combination with the other limitations of claim 15.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Betsey Hoey whose telephone number is **(571) 272-1158**. The examiner can normally be reached on Mondays, Tuesdays, and Thursdays. The examiner's supervisor, Mr. Duane Smith, may be reached at (571) 272-1166. Any inquiry of general nature may be directed to the Group receptionist at (571) 272-0987. The centralized fax number for the Group is (703) 872-9306. The examiner Rightfax number is (571) 273-1158.

BETSEY MORRISON HOEY PRIMARY EXAMINER

January 10, 2005